

Abstract

The present invention provides a highly durable, moisture-permeable, waterproof material that is high in moisture-permeability and waterproofness and able to achieve good adhesion with such a coat layer as moisture-permeable, water-resistant layer and with such a fibrous structural material as fabric, and a method for the production thereof.

The moisture-permeable, waterproof material of the invention comprises a moisture-permeable, water-resistant layer, a fibrous structural material, and a water-swellaable adhesive layer interposed between the former two to adhere them together, wherein the surfaces of the single fibers comprising said fibrous structural material are coated with a pre-treating agent containing a polyhydric compound as main component, said fibrous structural material and said water-swellaable adhesive layer being adhered via the pre-treating agent.

The moisture-permeable, waterproof material can be produced by the following steps: coating a moisture-permeable, water-resistant layer with a water-swellaable adhesive layer, the latter being the outermost, to form film; and pressure-bonding a fibrous structural material pre-treated with a pre-treating agent containing a polyhydric compound as main component to said water-swellaable adhesive layer, thereby adhering said fibrous structural material and said water-swellaable adhesive layer together.

too long

The moisture-permeable, waterproof material can serve to produce outdoor wear such as fishing wear and mountaineering wear; ski wear, windbreakers, athletic wear, golf wear, rain wear, and casual coats; as well as outdoor working wear, gloves, and shoes.